

MATERIAL SAFETY DATA SHEET

THE CHAS. H. LILLY CO. 7737 NE KILLINGSWORTH PORTLAND, OR 97218
BUSINESS OFFICE: (503)256-4600 EPA Est. No. Not Applicable
24 HOUR EMERGENCY NUMBER: 1-800-858-7378 Page 1 of 2
Brand: LILLY/MILLER Date Issue: 11/19/92
Product: Ultragreen Lawn Food
Number: 1412 EPA Reg. No. Not Applicable Supersedes: 09/01/92

1.0 REGULATORY INFORMATION

PROPER SHIPPING NAME:

Fertilizer Compound, N.O.I., Dry

NFPA Codes: 0=None, 1=Slight, 2=Moderate, 3=High, 4=Extreme, W=Use No Water

Health=1

Fire=0

Reactivity=0

Other=None

SARA TITLE III REQUIREMENTS:

Section 302 Extremely Hazardous Substances: No

Section 311/312 Hazardous Substances: Yes

Section 313 Toxic Chemicals: No

Carcinogenic Compound(s) (IARC/NTP): None

2.0 INGREDIENTS

Ingredient/CAS Number	% by Wt.	TLV	PEL
-----------------------	----------	-----	-----

THIS PRODUCT CONTAINS NO LISTED HAZARDOUS INGREDIENTS/Not Applicable

Other/INERTS:	100.00
TOTAL	100.00

3.0 STORAGE/HANDLING/DISPOSAL GUIDELINES

1. Store this product in its original container and keep out of reach of children and domestic animals, away from food and feed.
2. Do not reuse container. Securely wrap container in several layers of newspaper and discard in trash.
3. Wear long-sleeved shirt and long-legged pants and chemical resistant gloves.
4. Always wash hands, face, and arms with soap and water BEFORE eating or drinking.

4.0 SPILL/CLEANUP PROCEDURES

1. Isolate area. Keep pets and children away. If windy or inclement, cover spill.
2. Wear protective gloves. Provide ventilation. Sweep into pile and transfer to container.
3. This fertilizer may contain iron which may stain concrete and painted surfaces.
4. If it comes in contact with concrete surface, sweep off immediately BEFORE flushing with water.

MATERIAL SAFETY DATA SHEET

THE CHAS. H. LILLY CO. 7737 NE KILLINGSWORTH PORTLAND, OR 97218
BUSINESS OFFICE: (503)258-4600 EPA Est. No. Not Applicable
24 HOUR EMERGENCY NUMBER: 1-800-858-7378 Page 2 of 2
Brand: LILLY/MILLER Date Issue: 11/19/92
Product: Ultragreen Lawn Food
Number: 1412 EPA Reg. No. Not Applicable Supersedes: 09/01/92

5.0 HEALTH HAZARDS/FIRST AID

INHALATION: Avoid inhalation of dust. If inhaled remove victim to fresh air.
INGESTION: Harmful if swallowed. Call physician or Poison Control Center immediately.
EYE CONTACT: Flush eyes with water for 15 minutes, call physician immediately.
SKIN CONTACT: Wash affected areas with soap and water.

6.0 PHYSICAL PROPERTIES

Flashpoint: Not Applicable	Boiling Point: Not Applicable
Density/Specific Gravity: <1	Solubility: Moderate
Vapor Pressure: Not Applicable	Appearance: Verigated
Vapor Density: Not Applicable	Odor: Pungent

7.0 FIRE AND EXPLOSION DATA

Extinguishing media: CO2, or dry chemical.
Flammable Limits - LEL: Unknown UEL: Unknown
Special Fire Fighting Procedures:
Wear self contained breathing apparatus and impervious clothing.
Unusual Fire/Explosion Hazards - Thermal decomposition products include:
Oxides of nitrogen and sulfur; ammonia; cyranic acid and HCl may be generated.

8.0 ENVIRONMENTAL INFORMATION

This product is not considered toxic.
Apply this product only as specified on product label.

This Material Safety Data Sheet is intended to comply with Federal OSHA Hazard Communication Standard [29CFR1910.1200] and state right-to-know laws. The information contained herein is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of The Chas. H. LILLY Co. Information contained in the Material Safety Data Sheet may be made available by calling The Chas. H. LILLY Co. in the Pacific Time Zone during normal business hours at (503) 258-4600.

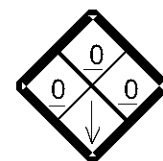
Lilly Miller Brands

Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	A

HMIS RATING

MATERIAL SAFETY DATA SHEET

SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION



NFPA RATING

Trade Name: Lilly Miller Rapid Green Lawn Food 20-2-5,
Lilly Miller Ultragreen Fall & Winter Lawn Food 18-4-12,
Lilly Miller 16-16-16 Lawn & Garden Food, Lilly Miller
Ultragreen Lawn Food 21-2-4, Lilly Miller Ultragreen Lawn Food 28-2-3

MSDS Number: LM-039

Generic Name: Lawn Fertilizer

Revision Number: New

Manufacturer: Lilly Miller Brands

Date Revised: August 15, 2001

Address: 16201 SE 98th Avenue
Clackamas, OR 97015

Manufacturer's Phone Number: 503-650-4400

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	%	TLV	PEL
Ammonium sulfate	7783-20-2	25 - 80	10 mg/m ³ (PNOC)	15 mg/m ³ (PNOR)
Monoammonium phosphate	7722-76-1	4 - 31	N/A	N/A
Urea	57-13-6	4 - 30	N/A	N/A
Muriate of potash	584-08-7	4 - 30	N/A	N/A
Sulfur coated urea	57-13-6/7704-34-9	10 - 20	N/A	N/A
Ferrous sulfate	7720-78-7	0 - 5	N/A	N/A
Iron sucrate	Proprietary	0 - 4	N/A	N/A

Key: TLV = ACGIH, 8 hr. time weighted average (TWA); PEL = OSHA permissible exposure limit.

PNOC = Particulates Not Otherwise Classified (ACGIH - Inhalable)

PNOR = Particulates Not Otherwise Regulated (OSHA - Total dust)

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview: This product is, generally, non-hazardous to health when used in accord with manufacturer's directions. Wash hands and exposed skin with soap and water after using this product.

HMIS Rating: **Health:** 0 **Fire:** 0 **Reactivity:** 0 **Personal Protection:** A

Potential Health Effects:

Routes of Entry: Inhalation, skin contact, eye contact, ingestion.

Inhalation: Overexposure to dust may cause transitory upper respiratory irritation.

Skin Contact: Essentially non-irritating to the skin.

Eye Contact: Dusts may cause irritation or corneal injury due to mechanical action.

Ingestion: Ingestion of large quantities can be harmful and irritating to the G.I. system.

Medical Conditions Aggravated by Exposure: May cause upper respiratory irritation, and may aggravate pre-existing respiratory conditions.

Carcinogenicity: Not listed by NTP or IARC. Not regulated as a carcinogen by OSHA.

SECTION IV - FIRST AID MEASURES

Inhalation: Move to an area free from risk of further exposure. Treat symptomatically if required. No adverse effects anticipated by this route of exposure incidental to proper handling.

Eye Contact: Flush with clean, lukewarm water at low pressure. Seek medical attention if irritation persists.

Skin Contact: Wash affected areas thoroughly with soap and warm water immediately after use of this product.

Ingestion: Ingestion of large quantities may be irritating to the GI tract, requiring symptomatic treatment.

SECTION V - FIREFIGHTING MEASURES

NFPA Rating: Health: 0 Fire: 0 Reactivity: 0 Other: 0

Flash point and Method: This product is non-flammable.

Extinguishing Method: Not required.

Fire or Explosion Hazards: This product will not burn.

Special Firefighting Procedures: Not applicable.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Clean-up Procedures: Pick up or shovel material into waste container taking care to minimize dust. Wet down if necessary to control dust. Vacuum clean dust.

Personal Precautions: If dusty conditions exist, wear a face mask approved for use with dusts such as 3M 8511 N-95 or equivalent.

Environmental Precautions: Keep major spills from entering lakes and waterways.

SECTION VII - HANDLING AND STORAGE

Storage Temperature: Not affected by extremes of temperature.

Shelf Life: Indefinite.

Special Sensitivity: None.

Handling and Storage Precautions: Avoid eye contact and avoid breathing dusts if generated. Good housekeeping is recommended to prevent the accumulation of dust.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: If dusty conditions exist, wear a face mask approved for use with dusts such as 3M 8511 N-95 or equivalent.

Eye Protection: Use safety glasses if there is potential for exposure to particles which could cause mechanical injury to the eyes.

Skin Protection: None needed under normal conditions of use.

Engineering Controls: Product is to be used out of doors with good ambient ventilation.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**Physical Form:** Grayish granular powder**Odor:** Negligible**Specific Gravity:** N/D**Bulk Density:** N/D**pH:** N/D**Solubility in Water:** Nil**% Volatile by Weight (VOC):** Nil**SECTION X - REACTIVITY****Stability :** This is stable material.**Hazardous Polymerization:** Will not occur.**Incompatibilities:** None in designed use.**Decomposition Products:** SO_x, irritating particulate.**SECTION XI - TOXICOLOGICAL/ECOLOGICAL INFORMATION****Ecological Concerns:** Lilly Miller lawn foods are non-hazardous plant and lawn grass nutrients. Avoid excessive applications where run-off water may carry product into lakes or streams.**SECTION XII - DISPOSAL CONSIDERATIONS****Waste Disposal Method:** This material is a non-hazardous lawn grass nutrient and may be disposed of by applying to soil in accordance with manufacturer's recommendations.**SECTION XIII - TRANSPORTATION INFORMATION****DOT Shipping Name:** Not regulated**DOT Label:** None**Technical Shipping Name:** None**DOT Placard:** None**DOT Hazard Class:** None**UN/NA Number:** None**SECTION XIV - REGULATORY INFORMATION****OSHA Status:** This product is regulated under OSHA criteria as a nuisance dust.**TSCA Status:** All applicable chemicals are registered under TSCA.**CERCLA Reportable Quantity:** Not regulated under CERCLA.**SARA Title III:** Not regulated under SARA Title III.**Section 302, Extremely Hazardous:** N/A**Section 311/312 Hazard Categories:** N/A.**Section 313 Toxic Chemicals:** N/A

Trade Name: Lilly Miller Lawn Food

MSDS Number: LM-39

RCRA Status: Not regulated under RCRA

SECTION XV - APPROVALS

Reason for issue: New MSDS

Approval Date: August 15, 2001

Prepared by: Compliance Consulting Group, Inc.
303-795-2060

Supersedes Date None

SECTION XVI - DISCLAIMER

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.